

JULY

at the

CALIFORNIA ACADEMY OF SCIENCES

JULY MEETING

DATE: Wednesday, July 20, at 7:30 and 9:00 p.m.

PLACE: May Treat Morrison Auditorium

SUBJECT: "WORLD WITHOUT SUN"

Jacques-Yves Cousteau, inventor of the aqualung, made a 1963 expedition into the depths of the lucent waters of the Red Sea. In addition to exploration and collecting specimens, there was an additional purpose of setting up a small colony of buildings to learn if a group of seven oceanauts could live and work for a month some 35 feet down. In a two-man diving saucer, which looks not unlike a giant mollusk, they travel as deep as 1,000 feet along the sunken continental reef which projects from the shores of all continents. Here "is a total area as great as that of Africa and represents, in its innumerable resources, a wealth we can ill afford not to tap"—a singularly good reason for serious and prolonged exploration.

The stunning color photography is the work of Pierre Couplil who captures the oceanauts going about their business of housework, listening to music, playing chess, teasing a parrot. There are many underwater splendors in this eerie, colorful documentary, including pictures of sharks, barracuda, multi-colored fish, plankton and all sorts of other flora and fauna which surround the spherical undersea home.

The commentary is by James Dugan with a sound track noted not only for its interesting music but for its telling silences.

No one will be seated after the 7:30 showing has begun.

MORRISON PLANETARIUM

"LIFE ON OTHER WORLDS," Morrison's summer spectacular sky show, will play from June 29 through Labor Day, September 5.

Within the brief period of an hour, space travellers visit Venus and Mars as well as two hypothetical planets identified as Planet X and Utopia—and the whole trip is full of surprises!

Performances daily at 12:30, 2:00 and 3:30 p.m. with evening shows, Wednesday through Sunday, at 8:30. Closed Monday and Tuesday nights.

Admission: Adults, \$1.00. Children, 50c.

MORRISON AUDITORIUM

"THE SEA OF CORTEZ," the Academy's own color documentary of exploration in the Gulf of California is shown weekdays, Monday through Friday, at 2:30 and 3:45 p.m. Extra performance, Saturday and Sunday, at 1:00 p.m.

SPECIAL EXHIBITS

From the Academy Collections: "ONE-SHOT COLOR CAMERA," an intricate photographic device used briefly in the late Twenties. There are only three such cameras in the U.S. Main Foyer, Science Museum.

"CAMOUFLAGE IN NATURE," color enlargements by Dr. Edward S. Ross, Curator of Entomology at the CAS. Dr. Ross has trained his lens on some of nature's most ingenious masqueraders. In Lovell White Hall of Man and Nature through December 31.

NEWS and NOTES

DR. GEORGE E. LINDSAY, Director of the Academy, spent a busy week in the Midwest the early part of June, attending two meetings which slightly overlapped—the annual meeting of the Association of Science Museum Directors in Milwaukee, June 6-7, and the annual meeting of the American Association of Museums in Chicago, June 7-10. At the Milwaukee gathering he presented a paper on "Museum Expeditions," and on Thursday, June 9, he presided as Chairman of the Section on Science Museums of the A.A.M.

A JOINT EXPEDITION between the Academy and the University of San Francisco, headed by Dr. Elwood Molseed of the latter institution, left San Francisco on June 11 for Mexico to carry on botanical and zoological work. Accompanying Dr. Molseed are Steve Kirchanski, an undergraduate at U.S.F., and Luis F. Baptista, a graduate student of Dr. Robert T. Orr, Associate Director of the Academy. Traveling in Dr. Molseed's camper, they will concentrate their main activities in Oaxaca and Chiapas, Mexico, and in Guatemala. Mr. Bap-

tista is making a special study of woodpeckers of the genus *Piculus*. The intention is to return early in September.

PURSUING HIS WORLDWIDE study of the Embioptera ("web spinners"), Dr. Edward S. Ross, the Academy's Curator of Insects, left June 17 for another trip to Africa, to last six months or longer. He will be accompanied by Mrs. Ross, their son Clark, and Kenneth Lorenzen, a future student in entomology at the University of California at Davis. The same Ross-designed custom-built truck that was so successfully used on an eighteen-month expedition to Asia and Australia in 1961-62 will be driven to New Orleans and loaded on a ship of the Delta Line, to be taken to Monrovia, Liberia. From there Dr. Ross plans to zig-zag eastward between the extremely wet tropical rain forest and the southern edge of the Sahara, at least as far east as the Central African Republic. This covers a part of Africa not yet surveyed for Embioptera. The route will be determined partly by political conditions and partly by roads. It is hoped to reach East Africa (Kenya, Uganda, Tanzania), then return through the Congo and Angola, and to re-embark at the Atlantic port of Luanda.

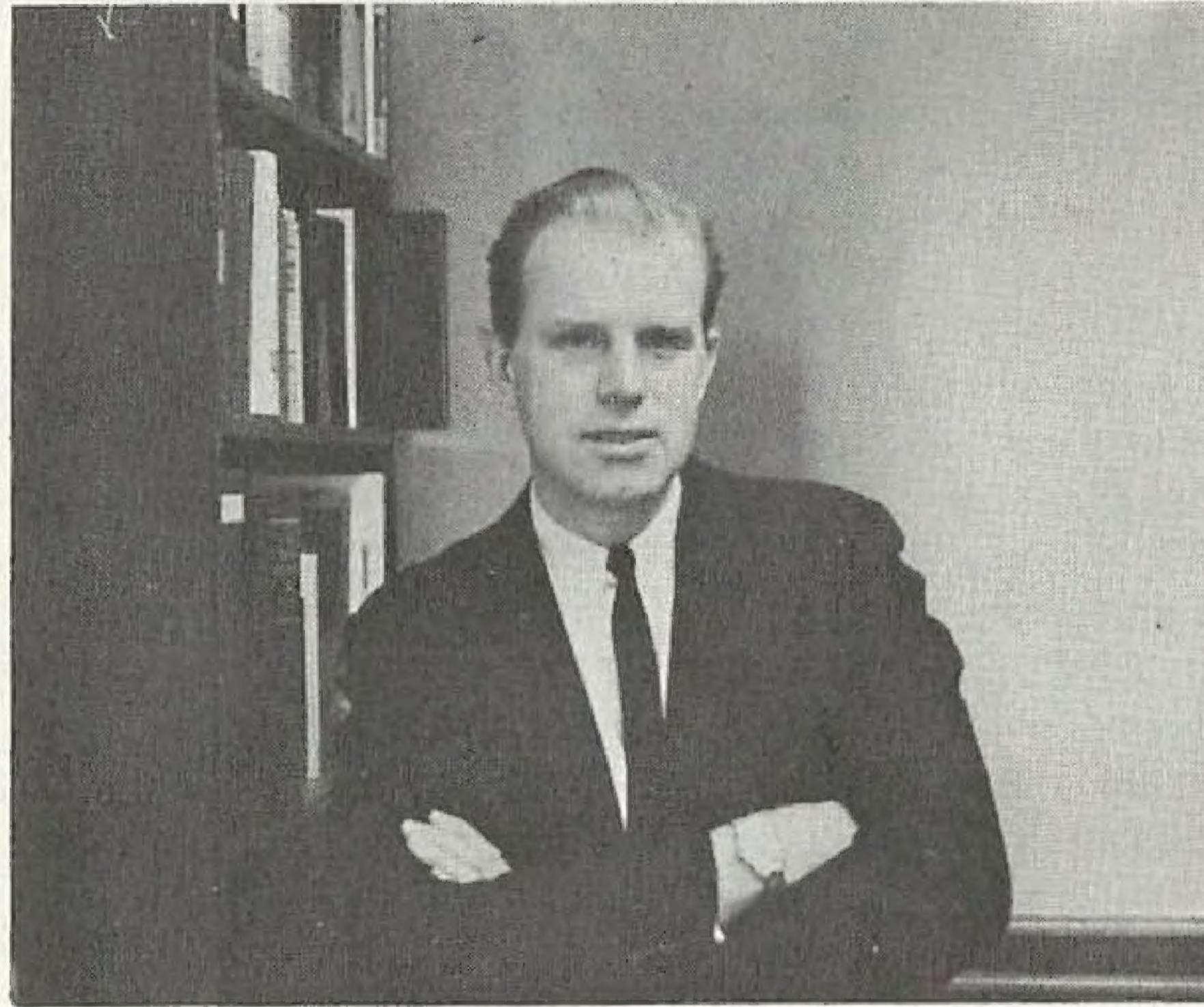
SETTING OUT FOR AFRICA on a different mission is Dr. Walter Sheppe, Research Associate in the Academy's Department of Birds and Mammals, who has accepted appointment as Senior Lecturer in Zoology at the University of Zambia (formerly Northern Rhodesia). En route Dr. Sheppe will visit England and continental Europe, departing by plane from Greece to his African destination.

MRS. LILLIAN DEMPSTER, the Academy's Associate Curator of Fishes, saw Europe in the springtime, visiting England, Scotland, and France. While in England, Mrs. Dempster took the opportunity to visit the British Museum of Natural History and the famous Plymouth Aquarium. She returned to San Francisco June 9.

DR. ROBERT C. MILLER, Senior Scientist of the Academy, was in Seattle, Washington, the week of June 12, attending the 47th Annual Meeting of the Pacific Division, American Association for the Advancement of Science. Dr. Miller is Secretary of the Division.

HAL RICHARDSON, Editor of the Academy NEWSLETTER, returned from a trip abroad on June 13. He left San Francisco April 22 to visit England, Holland, Spain, Greece and the Greek Islands, and Denmark. We're glad to see you back, Hall! If any errors occur in this issue they may be blamed on the editor *pro tem*.

MEET THE STAFF



CCHARLES R. STASEK, Assistant Curator in the Department of Invertebrate Zoology, received his Bachelor of Arts degree at the Santa Barbara campus of the University of California. The Korean War interrupted his educational activities for two years. This was spent primarily he says, as "the world's mildest Military Policeman." On his return to the USA, he went to the UC Berkeley campus where he received his Master's in 1957 and his Ph.D. in 1961.

With a post-doctoral fellowship he spent an informative year living and doing research in Naples, Italy, and a second year was passed at Scripps Institution of Oceanography at La Jolla. For short periods he taught invertebrate and marine zoology at UC and at the University of Washington, Seattle.

In 1963, with his wife and two sons and two other families, for a total of nine children, he had an exciting 1,000 mile sailing adventure from Hawaii to Fanning Island, a small coral atoll, where they spent the summer. During this time he furthered his

research, concentrating particularly on the life and habits of the giant clam. He is a specialist in mollusks, especially bivalves, and has spent considerable research time in Hawaii, Eniwetok, and Friday Harbor, Washington. Creative research and education he feels to be his callings.

He joined the Academy staff in November 1963, under a National Science Foundation grant that will continue into 1967. He is in charge of organizing the immense collection of preserved invertebrates which has accumulated during the years.

He and his family live in the Berkeley hills where he gardens, and sporadically paints in oil, spins a potter's wheel, and assembles mosaics.

RECENT SCIENTIFIC PUBLICATIONS of the CALIFORNIA ACADEMY OF SCIENCES

PROCEEDINGS

"The Cochlear Duct of Lizards." Malcolm R. Miller. Vol. XXXIII, No. 11. March 30, 1966.....\$2.00

OCCASIONAL PAPERS:

"A New Species of Eublepharis from Southwestern Iran (Reptilia: Gekkonidae)." Steven C. Anderson and Alan E. Leviton. No. 53. January 20, 1966.....25c

NEW MEMBERS OF THE ACADEMY

Regular Members

Mr. Charles R. Ades	Mrs. Donald G. McNeil
Mr. Robert J. Brown	Mr. F. Prusow
Mr. Kevin Healey	Mr. George P. Wassel
Miss Lois I. Williams	

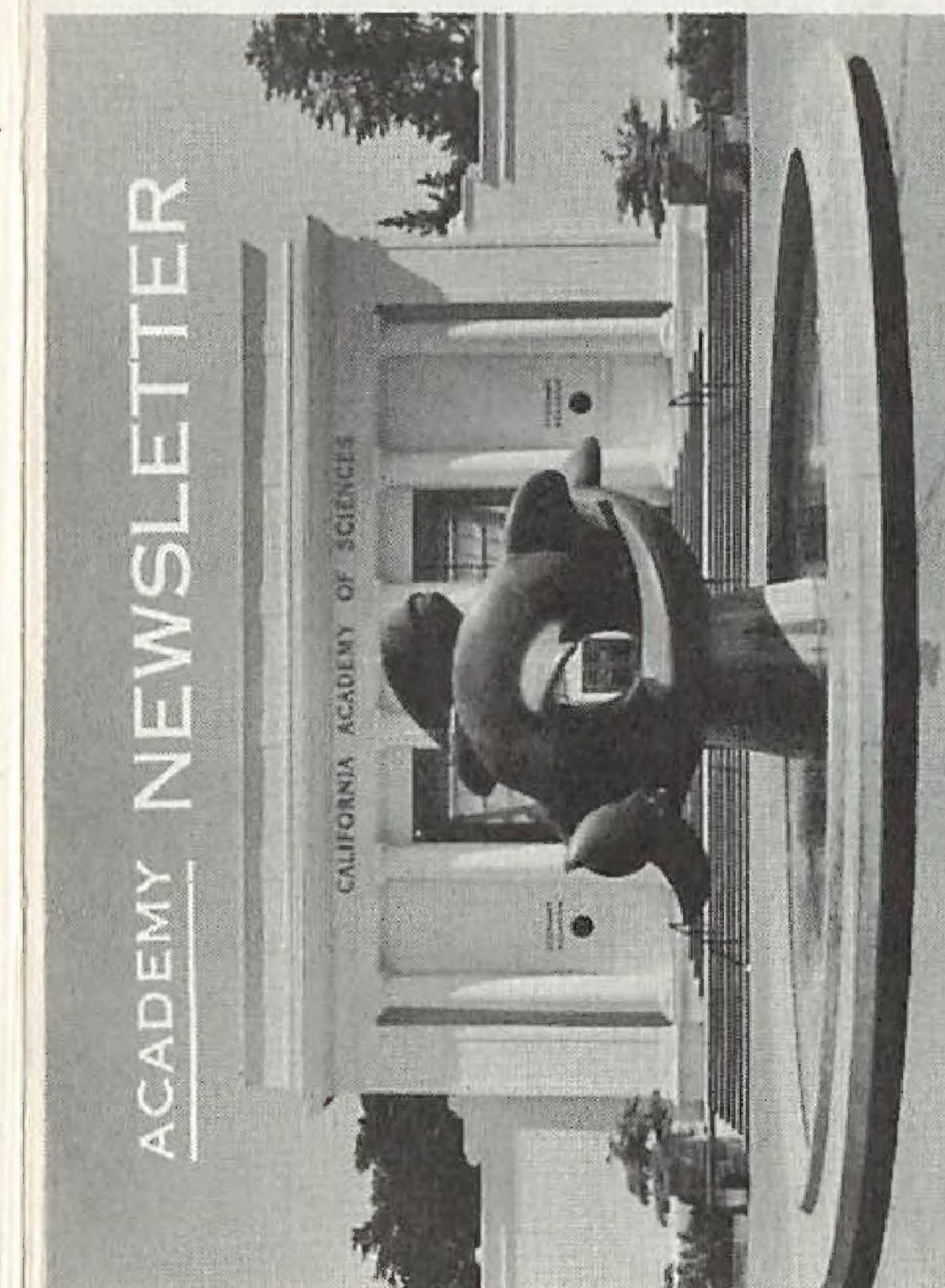
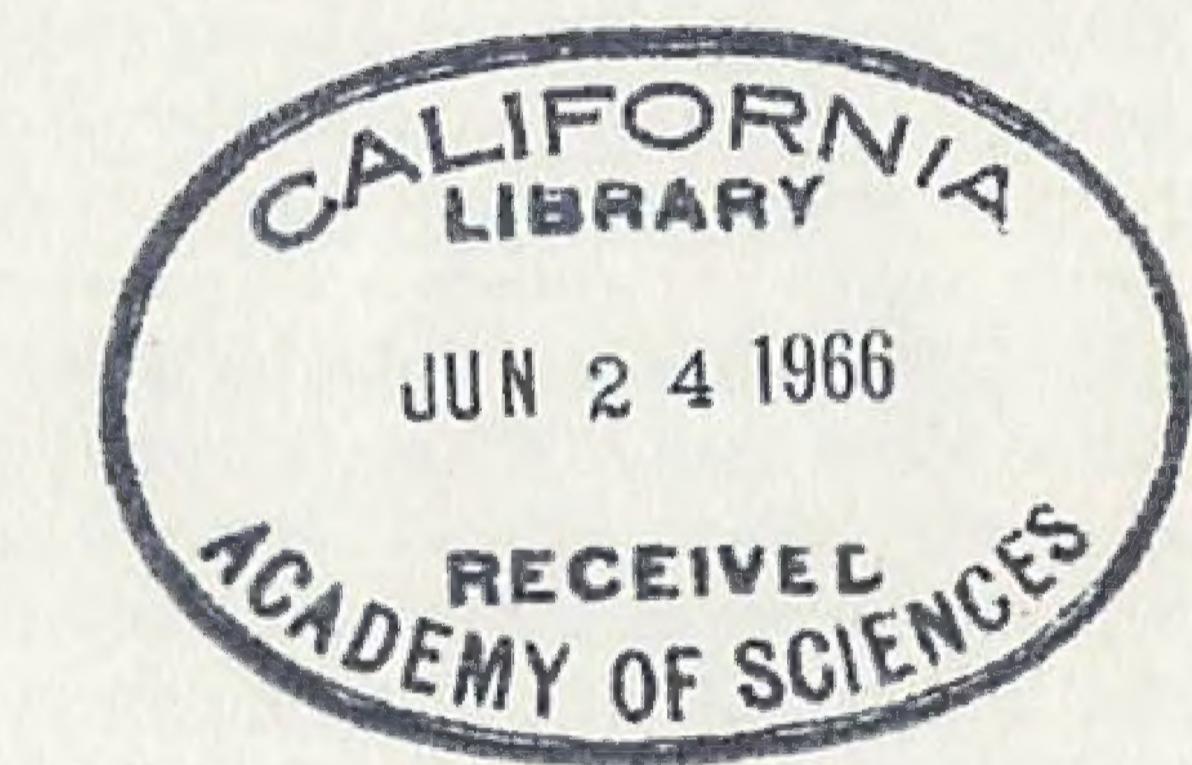
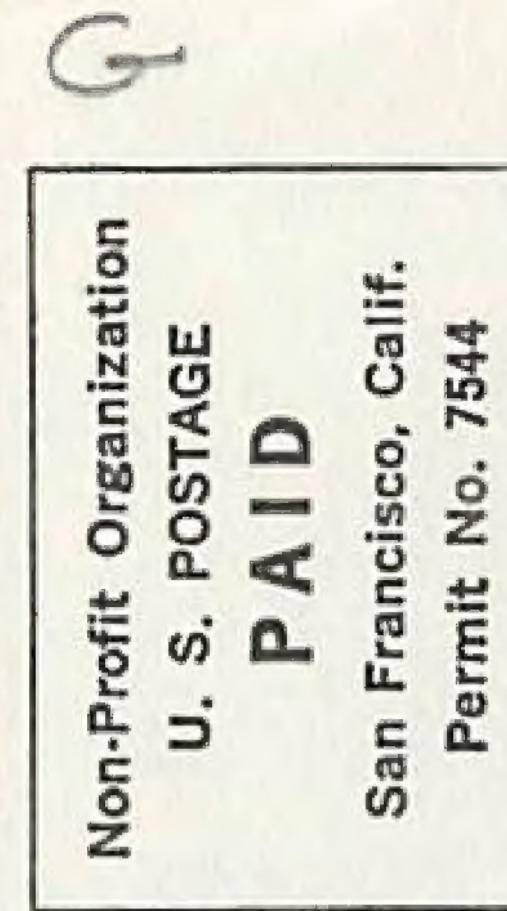
Family Members

Mr. Edward C. Anderson	Mr. & Mrs. Miles R. Drobisch
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